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## **CLAIMS**

- 1. A confection comprising menthyl glutarate and one or more other physiological cooling agents selected from the group consisting of *l*-isopulegol, pmenthane-3,8-diol and mixtures thereof.
  - 2. The confection of claim 1 further comprising *l*-menthol.
- 3. The confection of any one of claims 1 to 2 wherein the cooling agents are treated by an encapsulation process.
- 4. The confection of claim 3 wherein the cooling agents are encapsulated by a spray drying process.
- 5. The confection of claim 3 wherein the cooling agents are encapsulated by a fluid bed coating process.
- 6. The confection of any one of claims 1 to 2 wherein the cooling agents are treated by being entrapped in an extrusion process.
- 7. The confection of any one of claims 1 to 6 wherein the confection comprises a chewing gum composition.
- 8. The confection of claim 2 wherein the physiological cooling agents in the confection consist of menthyl glutarate, *l*-isopulegol and p-menthane-3,8-diol.
- 9. The confection of any one of claims 1 to 8 wherein the menthyl glutarate and one or more other physiological cooling agents are present in a coating on the confection.
- 10. The confection of any one of claims 1 to 6 and 8 wherein the confection comprises a chewing gum composition and the menthyl glutarate and one or more other physiological cooling agents are present in a coating on the chewing gum.

- 11. The confection of any one of claims 1 to 10 wherein the confection comprises at least 5 ppm physiological cooling agent.
- 12. The confection of any one of claims 1 to 6 and 8 wherein the confection comprises a chewing gum product and the physiological cooling agents comprise at least 25 ppm of the product.
- 13. The chewing gum composition of claim 7 wherein the chewing gum composition comprises at least 5 ppm *l*-isopulegol.
- 14. The confection of any one of claims 1 to 13 wherein the confection further comprises a physiological cooling agent selected from the group consisting of menthyl succinate; menthyl lactate; 3-*l*-menthoxypropane-1,2-diol; N-substituted p-menthane carboxamide; acyclic carboxamide; menthone glycerol ketals and mixtures thereof.
- 15. A cooling flavor composition which imparts a physiological cooling effect to oral compositions in which it is used, comprising menthyl glutarate and one or more other physiological cooling agents selected from the group consisting of *l*-isopulegol, p-menthane-3,8-diol and mixtures thereof.
- 16. The cooling flavor composition of claim 15 wherein the composition further comprises an additional physiological cooling agent selected from the group consisting of menthyl succinate; menthyl lactate; 3-*l*-menthoxypropane-1,2-diol; N-substituted p-menthane carboxamide; acyclic carboxamide; menthone glycerol ketals and mixtures thereof.
- 17. The cooling flavor composition of any one of claims 15 to 16 wherein said one or more other physiological cooling agents comprise, by weight of the menthyl glutarate:
  - a) about 2% to about 50% *l*-isopulegol, and
  - b) about 2% to about 50% p-menthane-3,8-diol.

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- 18. A confection comprising a flavor and a cooling flavor composition according to any one of claims 15 to 17.
  - 19. The cooling flavor composition of any one of claims 15 to 17 further comprising *l*-menthol.
- 20. The cooling flavor composition of claim 19 wherein the ratio of physiological cooling agents to *l*-menthol is between about 2:98 and about 3:2.
- 21. The cooling flavor composition of claim 19 wherein the ratio of physiological cooling agents to *l*-menthol is between about 4:96 and about 1:4.
- 22. A coated confection, the coating comprising a coating material, menthyl glutarate and one or more other physiological cooling agents selected from the group consisting of *l*-isopulegol, p-menthane-3,8-diol and mixtures thereof.
  - 23. A chewing gum composition comprising:
    - a) about 5% to about 95% gum base;
    - b) about 5% to about 95% bulking and sweetening agent; and
- c) about 0.1 to about 10% flavoring agent wherein the flavoring agent comprises menthyl glutarate and one or more other physiological cooling agents selected from the group consisting of l-isopulegol, p-menthane-3,8-diol and mixtures thereof.
- 24. The chewing gum composition of claim 23 wherein a blend of *l*-isopulegol and menthyl glutarate are used in the chewing gum at a ratio of between about 3:1 to 1:3 *l*-isopulegol: menthyl glutarate.
- 25. The chewing gum composition of claim 23 wherein the blend of *l*-isopulegol and menthyl glutarate are used in the chewing gum at a ratio of about 1:1 *l*-isopulegol: menthyl glutarate.
- 26. The confection of any one of claims 1 to 14 wherein a blend of *l*-isopulegol, p-menthane-3,8-diol and menthyl glutarate are used in the confection

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at a ratio of menthyl glutarate to the total of *l*-isopulegol and p-menthane-3,8-diol of between about 20:3 and about 60:3.

27. The confection of claim 26 wherein the ratio of menthyl glutarate to the total of *l*-isopulegol and p-menthane-3,8-diol is about 40:3.